

# Power Cost Memorandum Fuel Cost Update

Date: August 5, 2021

Utility Name (Cert. No.) <b>Arctic Village Electric (747)</b>	Utility File No. <b>PC65-0116QQ</b>	Date Filed: <b>June 25, 2021</b>
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PCE AMOUNT SUMMARY	Previously Approved PC65-0116PP	Staff Recommended Amount(s) and Effective Date PC65-0116QQ
Class Rate	<u>Date Approved:</u> July 1, 2021	August 6, 2021
Residential	\$0.00	\$0.00
Community Facilities	\$0.00	\$0.00
<input type="checkbox"/> Interim <input checked="" type="checkbox"/> Permanent <input type="checkbox"/> Interim <input checked="" type="checkbox"/> Permanent		

Prior Fuel Purchase Price: \$ 4.9826	New Fuel Purchase Price: \$ 5.5371
<input type="checkbox"/> Actual <input checked="" type="checkbox"/> Weighted	<input type="checkbox"/> Actual <input checked="" type="checkbox"/> Weighted
Delivery Charge: <u>n/a</u>	Surcharge Change: Previous <u>n/a</u> Updated <u>n/a</u>

Weighted Average Fuel Price/Gal. Calculation					
	Gallons		Price		
On-Hand before Deliv,	500	X	4.9826	=	\$2,491
Delivered	4,660	X	5.5966	=	26,080
	<u>5,160</u>				<u>\$28,571</u>
					Weighted Average \$ 5.5371

Signed: Brenda Cox  
Brenda Cox

Utility Financial Analyst

Commission decision re. this recommendation :

	Date (if different from 8/5/21)	I CONCUR	I DO NOT CONCUR	I WILL WRITE A DISSENTING STATEMENT *
Pickett		RMP		
Kurber		KIL		
Scott		AGS		
Sullivan		DS		
Wilson	8/6/2021	JWW		

Special Instructions to Staff:

\* If this column is initialed, Staff will contact the Commissioner for the statement, otherwise, dissent will simply be noted at the close of the By Direction Letter or Order.

# Arctic Village Electric

POWER COST EQUALIZATION CALCULATION  
FOR TEST PERIOD ENDING September 30, 2015  
Fuel Cost Update

		PC65-0116PP	PC65-0116QQ	
		Prior Commission Approval	Utility Request	Staff Recommended
A.	Total kWh Generated	*226,173	*226,173	*226,173
B.	Total kWh Sold (Appendix 2)	330,401	330,401	330,401
C.	Total Non-Fuel Costs (Appendix 2)	121,966	121,966	121,966
D.	<b>Non-Fuel Cost/kWh (C / B)</b>	<b>\$0.3691</b>	<b>\$0.3691</b>	<b>\$0.3691</b>
E.	Total Fuel Costs (Appendix 2)	232,019	257,841	257,841
F.	<b>Fuel Costs/kWh (E / B)</b>	<b>\$0.7022</b>	<b>\$0.7804</b>	<b>\$0.7804</b>
G.	Eligible Costs/kWh (D + F)	\$1.0713	\$1.1495	\$1.1494
H.	Eligible Cost/kWh (G) less base rate in effect	\$0.8710	\$0.9492	\$0.9491
I.	Lesser of (H) or 79.97 cents/kWh	\$0.7997	\$0.7997	\$0.7997
J.	Average Class Rates (Appendix 3)			
	Residential	\$0.7997	\$0.7997	\$0.7997
	Community Facilities	\$0.7997	\$0.7997	\$0.7997
Class Power Cost Equalization Per kwh Payable				
K.	Lesser of: (I) x 95% or (J)			
	Residential	\$0.7597	\$0.7597	\$0.7597
	Community Facilities	\$0.7597	\$0.7597	\$0.7597
L.	<b>Funding Level in Effect</b>	0%**	0%	0%
	<b>Residential</b>	<b>\$0.0000</b>	<b>\$0.0000</b>	<b>\$0.0000</b>
	<b>Community Facilities</b>	<b>\$0.0000</b>	<b>\$0.0000</b>	<b>\$0.0000</b>

\* kWh Generated was missing for November 2014 through March 2015.

\*\*Order U-21-019(3), dated July 22, 2021, determined the PCE amount to be 00.00 cents/kWh, for bills rendered on or after July 1, 2021.

PC65-0116QQ  
Appendix 1

# Arctic Village Electric

SCHEDULE OF ELIGIBLE POWER COSTS, SALES, AND EFFICIENCY  
FOR TEST PERIOD ENDING September 30, 2015  
Fuel Cost Update

		PC65-0116PP	PC65-0116QQ	
		Prior Commission Approval	Per Utility	Staff Recommended
<b>Non-Fuel Costs:</b>				
A.	Personnel Costs	69,569	69,569	69,569
B.	Operating Expenses	8,774	8,774	8,774
C.	General & Administrative	31,032	31,032	31,032
D.	Depreciation & Amortization	10,282	10,282	10,282
E.	Interest Expense	2,309	2,309	2,309
F.	Other (Describe)	0	0	0
G.	<b>Total Non-Fuel Costs</b>	<b>\$121,966</b>	<b>\$121,966</b>	<b>\$121,966</b>
<b>Fuel Costs:</b>				
H.	Gallons Consumed for Electric Generation	46,566	46,566	46,566
I.	Price of Fuel:( per gallon) Weighted Average	\$4.9826	\$5.5371	\$5.5371
J.	<b>Total Fuel Costs ( Ix H)</b>	<b>\$232,019</b>	<b>\$257,841</b>	<b>\$257,841</b>
K.	kWh Generated	*226,173	*226,173	*226,173
L.	kWh Sales	330,401	330,401	330,401
M.	kWh Station Service	Not Reported	Not Reported	Not Reported
N.	Efficiency (kWh generated /gallons consumed)	N/A	N/A	N/A
O.	Line Loss	N/A	N/A	N/A
(kWh Generated -(kWh Sold + Station Service))/ kWh Generated				

\* kWh Generated was missing for November 2014 through March 2015.

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Appendix 2

# Arctic Village Electric

## Calculation of Average Class Rate per kWh

Rate Schedule: Residential

(1) kWh by Block	(2) Rate (\$/kWh)	(3) Surcharge If Applicable (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$ (1x4)	(6) Avg. (\$/kWh) (5)/(1)	(7) Avg. Rate (\$/kWh) - 0.2003 /kWh
500	1.0000	0.0000	1.0000	500.00	1.0000	0.7997
500				500.00	1.0000	0.7997
TOTAL (A)						(E)

Rate Schedule:

(1) kWh by Block	(2) Rate (\$/kWh)	(3) Surcharge If Applicable (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$ (1x4)	(6) Avg. (\$/kWh) (5)/(1)	(7) Avg. Rate (\$/kWh) - 0.2003 /kWh
500		0.0000	0.0000	0.00	0.0000	
500				0.00	0.0000	
TOTAL (A)						(E)

## Computation of Community Facilities Average Rate

Rate Schedule: Community Facilities

	(A) Rate (\$/kWh)	(B) Surcharge If Applicable (\$/kWh)	(C) Total Rate (\$/kWh) (A+B)	(7) Avg. Rate (\$/kWh) - 0.2003 /kWh
0 to ∞	1.0000	0.0000	1.0000	0.7997
Next to				
Next to				
Next to				
Next to				

**Arctic Village Electric**  
**Fuel Purchases**

	Delivery Date	Gallons	Cost per Gallon	Delivery/ Mark-Up	Total Cost
Beginning Fuel Inventory		500			
Last Approved Fuel Cost/Gal.			\$ 4.9826		
Beginning Fuel Inventory in Gallons X Last Approved Fuel Cost/Gal. = Beginning Fuel Inventory Cost --				\$	2,491
Reporting Period Purchases	05/17/21	4,660.0	5.5966		26,080
					-
					-
					-
					-
					-
					-
					-
					-
					-
					-
					-
					-
Totals for Reporting Period Purchases on this sheet:		4,660			26,080
Delivered Weighted Average			\$5.5966		
Grand Totals (beginning inventory plus purchases) A		5,160		B \$	28,571

Grand Total Cost (B) divided by Grand Total Gallons (A) = 5.5371 Weighted Avg. Cost per gal

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